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*Twenty-Seventh Biennial  
Report*

OF THE

**MONTANA STATE  
HOSPITAL**



**WARM SPRINGS, MONTANA**

**1929-1930**

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*Twenty-Seventh Biennial  
Report*

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HOSPITAL



WARM SPRINGS, MONTANA

1929-1930



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(Visiting Board to the Hospital)

Mrs. Flora R. Pace, President.....Whitehall, Montana  
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### JAMES FRANCIS McNAMEE

October 19, 1863—January 10, 1929

A fatal accident at Warm Springs on the night of January 10th, 1929, summoned Rev. J. F. McNamee from our midst while he was in his path of duty. This tragedy marked the passing of an outstanding clergyman, highly esteemed and admired by young and old. During his life of more than thirty years of service in Montana, he filled a unique place in the welfare of the troubled and bereaved. Rev. McNamee was appointed a member of the Board of Charities and Reform on May 13th, 1907, and shortly thereafter was chosen as visiting chaplain to the institution, serving in a most acceptable manner for over twenty-one years.

Rev. McNamee was regarded as a man among men by all who knew him, and his ministrings were always emphasized with his cheerful demeanor and wise counsel. His untimely death will be long remembered and his place not easily filled.

## OFFICERS OF THE HOSPITAL

Superintendent  
H. A. Bolton, M.D.

Assistant Superintendent  
Edward Lieurance, M.D.

Assistant Resident Physicians  
Gladys V. Holmes, M.D.                      Leo S. Crowley, M.D.

Technician  
Rose Valk, B.S.

Visiting Surgeon  
J. Thorkelson, M.D.

Resident Dentist  
D. J. McKillican, D.D.S.

Secretary  
E. E. Dickerson

Accountant  
L. A. Leskey

### Supervisors of Departments

Floss L. Kerlee, R.N. ....	Receiving Hospital
Mary E. Petersdorff, R.N. ....	Female Department
Oscar W. Smith.....	Male Department

Supervisor of Physical Plant  
W. F. Casey

Steward  
O. B. Collins

Foreman of Construction  
H. O. Bohn

Steamfitter and Plumber  
Dan E. Sullivan

Engineer  
Arthur W. Church

Electrician  
John Weber

Chaplains  
Rev. Joseph A. Hannan  
Rev. Evert Top



## MONTANA STATE HOSPITAL

Warm Springs, Montana,  
November 30th, 1930.

To the Honorable,  
The State Board of Commissioners for the Insane,  
Helena, Montana.

Gentlemen:

Herewith is submitted for your review and approval the Twenty-seventh Biennial Report of the Montana State Hospital. Other than the financial statements for the respective fiscal years ending June 30th the report embraces a period of two years ended October 31st, 1930.

The initial opening, on April 7th, 1877, recorded the reception of thirteen men who were assembled at Deer Lodge from various private hospitals in the Territory. They came overland. Of the original colony, the sole survivor passed away in July, 1928, at the age of 78 years, after an actual residence of more than forty-two years at Warm Springs.

From date of opening until December, 1912, the institution was conducted under private ownership and the founders, Doctors Mitchel and Mussigbrod, were reimbursed by the Territory or State on a per diem basis. Purchase of the properties in 1912, at an appraised value of \$533,000, was made possible by a bond issue approved by the voters of the previous year, thus reflecting the wisdom and foresight of our citizens nineteen years ago. At the inception of State ownership the hospital census was 854 patients (626 males, 228 females).

The total number of patients actually present in the institution at the close of the biennium was 1582, or 1038 males and 544 females. This total represents a net gain of 227 patients since October 31st, 1924. During the biennium the flood tide of population, 1589 patients, occurred August 2, 1930, and the ebb was present August 7-9, 1929, with 1494 patients. The average daily census was high at 1581 and low at 1498. The "Movement of Population" schedule, shown in another section of this report, discloses that 859 patients were received within the two-year period. Of such total, 400 males and 178 females, 578 persons were first admissions, or those not having been treated previously in any hospital for mental disease. Of these first admissions, 390 males and 174 females were committed from counties, 6 men and 1 woman from the State Prison at Deer Lodge, 2 men came from the Tuberculosis Sanatorium at Galen, 2 males and 3 females came from the School for Feeble-minded at Boulder. In our total of 237 readmissions, 40 males and 31 females were recommitments, 59 males and 64 females were returned from parole, 1 girl was returned from Boulder, 29 males and 13 females were patients with a history of prior treatment in other state hospitals. Patients returned from escape—43 males, 1 female.

The total of 803 patients, 539 males and 264 females, shown on the schedule

as removed from the institution is summarized as follows: 30 males and 28 females were discharged as recovered; 16 males and 23 females as improved; 5 men and 1 woman, alcoholics, and 1 woman drug addict were discharged as recovered. Of the class "discharged as without psychosis," 59 males and 14 females were committed as inebriates and 47 males and 29 females as drug addicts. In so far as treatment and hospitalization are concerned, the alcoholic and drug cases were considered fully rehabilitated at time of release. Five male and 2 female epileptic cases, 1 male and 1 female of neurotic tendencies were dismissed as without psychosis, and 6 males and 3 females were diagnosed as not insane. The foregoing group gives a total of 271 patients. Paroles were granted to 160 patients—52 males and 62 females went out as improved, 24 males and 22 females as unimproved. Transfers comprised a total of 28, of which 7 Ex-service men were accepted at federal hospitals; 2 boys were sent to the State Orphans' Home; and 1 girl was returned to Boulder School; 13 men and 5 women went to their respective states of legal residence. Through the cooperation of the U. S. Immigration Service 5 male aliens were deported. A total of 68, or 66 males and 2 females, were counted as escaped. During the biennium 271 patients died in the hospital—201 males, 70 females.

A gross total of 2385 patients were under treatment and care within the period of this report. This is the highest number under treatment in any biennium since the institution was established fifty-three years ago.

## NEW BUILDINGS AND EQUIPMENT, BETTERMENTS, ADDITIONAL LANDS

Requests for a total of \$595,000

With the understanding that Referendum Measure No. 33, ratified by the electorate during the current month, authorizes the Legislature to cause the issue of \$3,000,000 of bonds in the name of the State of Montana and the proceeds of such bonds be used "for the construction, repair, and equipment of necessary buildings, other permanent improvements, and the acquisition of necessary grounds therefor" at the state institutions, the immediate needs of the Montana State Hospital are presented below. It is pertinent, too, to review certain clauses of the "Standardization of Hospitals for Mental Disease" as adopted by the American Psychiatric Association:

"10. The patients must be classified in accordance with their mental and physical condition, with adequate provision for the special requirements for the study and treatment of the cases in each class, and the hospital must not be so crowded as to prevent adequate classification and treatment.

"11. The classification must include a separate reception and intensive study and treatment department or building, a special unit for acute physical illnesses and surgical conditions, and separate units for the tuberculous, and the infirm and bedfast. Each of these units must be suitably equipped and organized for the requirements of the class under treatment."

### MEN'S DORMITORY:

Estimated cost, \$150,000.

A three-story brick building, with basement (the basement to be equipped for moving pictures in lieu of a small dining room now being used at "Cottage E"), to replace an old two-story brick-veneer structure erected over forty years ago— a veritable fire trap, and not worth further repair.

### REMODELING "SECOND YARD" BUILDING:

Estimated cost, \$25,000.

This structure, built in 1886, is substantial, has a good foundation and solid twelve-inch walls. It was originally used by Mitchell and Mussigbrod as a hotel when Warm Springs was a resort. Later, when more room was needed for patients then cared for under contract, this building was remodeled cheaply, but has served its purpose for many years. To make it fairly modern requires a new roof, new flooring and plumbing, porches, and equipment.

### NEW MALE RECEIVING HOSPITAL:

Estimated cost, \$125,000.

It is planned that this addition will join the west end of the present receiving hospital for males. The latter was opened more than thirty years ago, and while it served its purpose when the patient population was less than half that of today it has now become wholly inadequate. The stairways are narrow, the ventilation very poor, and the plumbing anti-modern. This unit of the institution receives every male patient, and while there his condition is studied and treated before he is transferred to another department. All sick cases, and there are many, are housed and cared for in this building. The proposed addition, with three floors, basement, and furnishings, would accommodate one hundred fifty (150) patients.

**DOCTORS' QUARTERS—to Include Office Help:**

Estimated cost, \$35,000.

The present "Doctors' Cottage," now housing physicians, members of the office force, and other employees in small dingy rooms, is of brick-veneer built nearly fifty years ago and should be demolished because even minor repairs are now considered an item of extravagance. During the pioneer contract days it was the residence of Dr. Mitchell. To obtain competent physicians and office help, vital factors in the administrative work of the institution, at least comfortable domicile must be provided. This building, two floors and a basement, to consist of eight (8) apartments of two rooms and bath, each; basement to be devoted to dining room, kitchen, and small laundry room. The estimate includes the cost of suitable furnishings.

**DORMITORY FOR EMPLOYEES:**

Estimated cost, \$45,000.

Since the initial opening of the institution, in 1877, there has never been built, other than cabins, small cottages, etc., a separate structure for employees. The major number of our one hundred fifty employees continue to occupy space in buildings where patients are housed. Obviously, this is an unsatisfactory arrangement and a deplorable condition. Moreover, at the present and for some time past there has not been sufficient rooms for employees, and many single rooms are housing two occupants. The dormitory, including necessary appurtenances, is intended to accommodate forty (40) employees.

**PORCHES AND VERANDAS FOR FEMALE DEPARTMENT:**

Estimated cost, \$35,000.

The old system, in vogue at this and many institutions in neighboring States, was to build around an inclosure or court and connect the buildings with high board fences. The patients could then be turned out into these yards for exercise and recreation. With modern day methods of treating and caring for the insane this plan has gradually become obsolete. It precludes the opportunity to segregate patients, and segregation is a big factor in their rehabilitation, comfort and general welfare. It is manifestly unfair to maintain beautiful grounds, trees, shrubbery and flowers merely for the public, visitors and employees to enjoy while the patients (for whom the institution is maintained) are kept behind ten-foot fences and denied this pleasure. Therefore, this request for \$35,000 is especially modest and conservative. The "Main Building" and "Cottage E" are already equipped with porches, but these betterments will be placed on cottages "C" and "D", and the present sand yard will be plotted with lawn, trees and flowers.

**WOMEN'S DORMITORY:**

Estimate, \$40,000.

The female department, in common with the male department, is much overcrowded and the above amount is requested to build a dormitory to replace "Cottage A" and "Cottage B", which now shelter 65 patients. "Cottage A" is a frame and cement-block veneer and "B" is a frame structure—both being out of date and pronounced fire hazards. A three-story brick building will relieve the situation and put the female department in a modern condition.



**CENTRAL SHOP BUILDING:**

Estimate, \$30,000.

At the present time all industrial activities, such as the blacksmith, carpenter, electric, machine, paint, and plumbing shops, brick department and mattress factory are located in separate buildings, most of them old frame and log structures that were used for residences and dormitories during the contract days. A large one-story building to centralize these essential departments will speed up the daily work, effect a great saving of heat, light, power, and reduce insurance by eliminating fire risks.

**FARM BUILDINGS:**

Estimate, \$50,000.

Approximately the above sum is needed to replace several old log structures now being used for cattle, horses, and hogs. These departments are so very necessary in the operation and maintenance of the institution that replacement should be made at an early date.

**GARAGE, ADDITION TO:**

Estimate, \$10,000.

With the institution located ten miles from the nearest city, it is, of course, natural that employees will purchase cars—this is the tendency everywhere. The present garage facilities will house only a few more than half the cars and trucks, and every available shed is covering some kind of automobile. In some instances such storage is a fire hazard. A forty-car garage, of tile or concrete, should be provided at once. A scheme of rental might, eventually, accrue sufficient funds to pay off the cost of this building.

**LAUNDRY, ADDITION TO, With Necessary Machinery:**

Estimate, \$10,000.

The present laundry structure was built in 1913. Some new machinery was purchased at that time, but most of the equipment was moved from the old laundry. However, the existing building and equipment has out-grown the demands of the institution as an average of forty thousand pieces are handled per week.

**ADDITIONAL LAND:**

Estimate, \$40,000.

The Montana State Hospital owns 1,280 acres of land (less the Northern Pacific right-of-way). Only about 200 acres is actually fit for cultivation, the remainder being poor pasture. In order to supply the growing needs of this institution with hay, grain, vegetables and garden products it is necessary to rent additional land. The DeRosier farm of 619 acres adjoining State land is farmed on shares. For three years past the Jones ranch, comprising 1,065 acres and adjoining the DeRosier and state lands, has been leased for a cash rental of \$3,000 per annum.

The foregoing requests, subject to an allotment of the proceeds from bond sales, are our important and imperative requirements. It is, of course, realized that an institution of this kind and purpose will, from time to time, demand new buildings in the next few years to keep pace with the inevitable net increase in the patient population and prevent such over-crowding as exists today. Our present equipment will care for, comfortably and normally, 1250 to 1300 patients, whereas we now have nearly 1600 under treatment and care—an approximate over-crowding of 25%.

## CONSTRUCTION

### Completed

#### Men's Dormitory

A men's dormitory (including a department for the criminal insane) was completed and ready for occupancy at September 1st, 1930. This is a three-floor building, 166 by 41 feet, with a basement dining room. It is connected to an adjoining building by first and second floor corridors, 40 by 20 feet, and has a normal capacity of 200 beds. However, due to the general stress of overcrowding, it is necessary to house 244 patients therein, as well as place beds in the corridors which were intended for exercise and recreation space. The cost of this modern, up-to-date, fireproof building was \$100,600, and it is the type of construction suggested for our building and betterment program for 1931 and 1932. This was the only construction for the accommodation of patients since "Cottage G" was completed in 1925.

#### Heating Plant

Except for one boiler, added in 1917, there had been no change in the central heating plant since 1909, and an overload of 25% retarded operation for several years. During the current year the system was augmented by two 150 horsepower HRT boilers with Jones stokers. This installation, including necessary building to house, was acquired at a cost of \$11,100.

### ACKNOWLEDGMENTS

The Montana State Hospital has continued to be fortunate in acquiring many useful and opportune donations from individuals. Two radios were installed (at the request of the donors) in the male and female receiving hospitals, respectively. Magazines, papers and books are sent in frequently.

Especial thanks are hereby conveyed to the American Legion of Anaconda, Butte, Helena, and other cities and towns. The auxiliaries of the Legion in Anaconda have been consistently devoted to the welfare of ex-service men who are patients at Warm Springs. We are somewhat remote from urban activities and concerts rendered by the Legion band of Anaconda and the Montana State band of Butte were a source of great pleasure to patients and employees.

To the Film Board of Trade and its affiliated Producer Corporations we offer gratitude for their courtesy in donating pictures for our weekly shows on Tuesday nights.

We are thankful, too, for the hearty cooperation extended by state and county officials throughout Montana.

I take this means of thanking the members of the medical staff, the officers and personnel for their loyalty to the institution and commend them for their faithful performance of duties.

In conclusion, it is a pleasure to express our appreciation to the Board of Commissioners for the Insane, the Board of Charities and Reform, and the individual members of these boards, the State Accountant, and the State Purchasing Agent for their encouragement and kind cooperation. I am also indebted to A. B. Middleton, Warden of the State Penitentiary, and Dr. C. E. K. Vidal, Superintendent of the State Tuberculosis Sanatorium at Galen (both neighbor institutions), for their generous help and counsel.

Respectfully,

H. A. Bolton, M.D., Superintendent.

## PATHOLOGICAL DEPARTMENT

## Laboratory Division

Urinalysis, routine and special .....	993	
Blood examinations, complete .....	784	
Blood Chemistry:		
Icterus Index .....	5	
Sugar .....	3	
Urea .....	1	
Coagulation time .....	11	
Bacteriological cultures .....	19	
Bacteriological Examinations:		
Smears, sundry .....	30	
Smears, throat .....	21	
Smears, vaginal .....	83	
Gastric analyses .....	4	
Sputum examinations .....	19	
Stools examined .....	6	
Widal tests .....	4	
Animal inoculations .....	1	
Cerebrospinal fluid examinations (cell count, globulin, colloidal gold curve) .....	48	
Wassermann Complement-Fixation Tests:		
Blood serum .....	950	
Spinal fluid .....	53	1,003
Number of first admissions—Male, 400; Female, 178.		
Number of first admissions positive—Male, 62 or 15.50%; Female 12 or 6.74%.		
Histologic sections .....	3	
Autopsies .....	7	
Total .....		3,045

## X-ray Division

	Number of Patients
Fluoroscopic and film examination of gastro-intestinal tract .....	5
Skull .....	15
Accessory nasal sinuses .....	3
Mandible .....	9
Chest .....	20
Ribs .....	6
Vertebrae .....	5
Abdomen .....	2
Pelvis .....	3
Colon .....	2
Upper extremities .....	48
Lower extremities .....	18
Hip .....	7
Total .....	143

## SURGICAL DEPARTMENT

	Male	Female
Amputation, leg (chronic osteomyelitis) .....	1	....
Amputation, thigh (gangrene) .....	1	....
Curettement, ulna (acute osteomyelitis) .....	1	....
Iridectomy, with cataract extraction .....	....	1
Sarcoma, left mandible .....	1	....
Lipomectomy, neck .....	1	....
Circumcisions .....	2	....
Appendectomies .....	1	3
Hemorrhoidectomies .....	4	....
Herniotomies .....	5	....
Intussusception (ilio-caecal) .....	1	....
Laparotomy (gangrenous perforation of colon) .....	1	....
Laparotomy (excision, ulcers of ileum) .....	....	1
Oophorectomies .....	....	1
Paracentesis .....	8	....
Fractures reduced:		
Humerus .....	4	1
Ulna .....	1	....
Radius .....	4	2
Femur .....	4	2
Fibula .....	2	1
Tibia .....	....	1
Total .....	42	13

## DENTAL DEPARTMENT

Examinations:	
Old patients	2,417
New patients	508
Teeth extracted	2,741
Infiltration anesthetics	1,583
Conductive anesthetics	497
General anesthetics	22
Alveolectomy operations	61
Cleaning teeth (number of patients)	603
Scaling teeth (number of patients)	241
Tooth brushes distributed	566
Post-operative treatments	189
Gold fillings (foil)	26
Gold crowns	61
Gold crowns reset	8
Gold crowns repaired	6
Gold inlays	41
Gold inlays reset	18
Gold clasp repairs	3
Amalgam, cement and porcelain fillings	591
Nerve cappings	44
Teeth devitalized	17
Root canal fillings	17
Applications mummifying paste	61
Abscesses lanced	143
Abscesses treated	45
Lancing gum over third molars	7
Calls to wards	119
Secondary hemorrhages arrested	3
Treatments for erosion	18
Treatments for pyorrhea alveolaris	42
Treatments for acute odontalgia	486
Vincent's Angina cases treated	211
Applications of silver nitrate	712
Dentures made	62
Dentures reproduced	2
Dentures rebased	4
Dentures repaired	36
Dentures trimmed	97
Porcelain crowns (baked)	1
Cast-base Davis crowns	5
Bridges recemented	11
Bridges made	30
Bridges repaired	2
Disfigured teeth shaped up (number of patients)	4
Removing impacted teeth	37
Removing sequestrum	46
X-rays	1,302
Patients edentulous (having no teeth)	445
Number of patients treated	1,785



## GENERAL INFORMATION

Date of opening as an institution for mental cases.....	April, 1877
Date of purchase of properties by the State .....	December, 1912
Type of institution .....	State
Real estate, buildings, equipment, etc.....	\$1,646,719.32
Total acreage of hospital property owned.....	1,280
Total acreage under cultivation (owned and rented) .....	1,525

## Officers and Employees

	Actually in service at end of year		
	Male	Female	Total
Superintendent .....	1	....	1
Assistant Superintendent .....	1	....	1
Resident Physicians .....	1	1	2
Visiting Surgeon .....	1	....	1
Total Physicians .....	4	1	5
Resident Dentist .....	1	....	1
Technician .....	....	1	1
Stewards .....	1	....	1
Graduate Nurses .....	....	2	2
Other Nurses and Attendants .....	46	36	82
All other Officers and Employees .....	39	14	53
Total .....	91	54	145
	Male	Female	Total
Patients employed in industrial classes or in general hospital work at October 31, 1930 .....	553	77	630
Average number of all patients actually in the institution during year ending October 31, 1930 .....	1,027	533	1,560

# MOVEMENT OF PATIENT POPULATION Biennium Beginning November 1, 1928, and Ending October 31, 1930

	1929 Period		1930 Period		GRAND TOTAL	
	Male	Female	Male	Female	Male	Female
First Admissions:						
From Counties	170	81	220	93	390	174
From Penitentiary	2	2	4	1	6	1
From Galen	2	3	2	2	2	3
From Boulder School for Feeble-minded	22	15	18	16	40	31
Recommitments	27	39	32	25	59	64
Returned from Parole						
Returned from Boulder						
From Hospitals of other States	16	6	13	7	29	13
Returned from Escape	21	21	22	1	43	1
Total Admitted	260	142	311	146	571	288
Number at Beginning of Period	1,006	520	1,001	518	1,006	520
TOTAL TREATED	1,266	662	1,312	664	1,577	808
Discharged:						
Recovered	18	21	12	7	30	28
Improved	10	19	6	4	16	23
Alcoholics	4	1	1		5	1
Drug Addicts		1				1
Discharged as Without Psychosis:						
Alcoholics	26	7	33	7	59	14
Drug Addicts	15	16	32	13	47	29
Epileptics	2	2	3	5	5	2
Others	1	1			1	1
Not Insane	3	4	3	5	6	3
Paroled, Improved	23	32	29	30	52	62
Paroled, Unimproved	12	7	12	15	24	22
Transferred to:						
U. S. V. B. Hospitals	4		3	3	7	
State Orphanage			2	2	2	
Other States	6	3	7	2	13	5
Returned to Boulder School		1				1
Federal Deportations	4	4	1		5	1
Escaped	36	1	37	31	66	2
Died	101	33	100	37	201	70
Total Dismissed	265	144	274	120	539	264
Number Remaining at End of Period	1,001	518	1,038	544	1,038	544
					1,582	1,582

## AVERAGE DAILY POPULATION

(Fractions Omitted)

Years of .....	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January .....	1090	1201	1261	1327	1460	1444	1394	1331	1390	1463	1479	1526	1539
February .....	1121	1205	1276	1343	1467	1454	1389	1331	1403	1473	1494	1524	1556
March .....	1147	1222	1294	1347	1461	1467	1384	1331	1407	1491	1510	1525	1563
April .....	1164	1221	1306	1352	1445	1465	1384	1350	1403	1481	1507	1531	1569
May .....	1186	1234	1306	1369	1437	1450	1283	1353	1390	1478	1516	1530	1561
June .....	1192	1215	1304	1397	1444	1437	1374	1366	1401	1477	1522	1514	1570
July .....	1188	1213	1314	1416	1449	1409	1371	1373	1413	1473	1521	1506	1577
August .....	1200	1213	1307	1430	1451	1420	1375	1387	1436	1478	1528	1498	1579
September .....	1201	1221	1301	1447	1452	1421	1364	1387	1444	1469	1533	1507	1580
October .....	1218	1234	1311	1448	1453	1403	1363	1380	1451	1461	1522	1518	1581
November .....	1217	1237	1311	1445	1437	1388	1350	1386	1455	1454	1527	1520	.....
December .....	1204	1255	1311	1451	1437	1387	1339	1386	1460	1471	1518	1527	.....

## NATIVITY OF FIRST ADMISSIONS

Biennial Period Ending October 31, 1930

Born in the United States:	Male	Female	Foreign Born:	Male	Female
California .....	3	2	Austria-Hungary .....	11	5
Colorado .....	4	.....	Bohemia .....	5	2
Connecticut .....	2	.....	Belgium .....	1	1
Idaho .....	2	.....	Canada .....	20	3
Illinois .....	11	8	China .....	4	.....
Indiana .....	7	5	Denmark .....	2	.....
Iowa .....	13	10	England .....	8	6
Kansas .....	3	1	Finland .....	5	4
Kentucky .....	5	3	France .....	1	1
Louisiana .....	3	1	Germany .....	11	6
Maine .....	1	.....	Greece .....	5	.....
Maryland .....	1	1	Holland .....	.....	1
Massachusetts .....	6	.....	Ireland .....	16	4
Michigan .....	13	2	Italy .....	3	.....
Minnesota .....	25	10	Japan .....	1	.....
Missouri .....	16	10	Jugo-Slavia .....	1	2
Montana .....	66	28	Mexico .....	2	.....
Nebraska .....	5	5	Norway .....	8	3
Nevada .....	1	.....	Poland .....	2	1
New Jersey .....	1	.....	Prussia .....	1	.....
New York .....	7	3	Roumania .....	3	2
North Carolina .....	3	1	Russia .....	3	3
North Dakota .....	8	7	Scotland .....	3	.....
Ohio .....	8	4	Serbia .....	1	.....
Oklahoma .....	2	.....	Spain .....	2	.....
Pennsylvania .....	13	2	Sweden .....	12	5
Rhode Island .....	1	.....	Switzerland .....	3	2
South Carolina .....	1	.....	Wales .....	.....	1
South Dakota .....	1	2			
Tennessee .....	1	1			
Texas .....	4	2			
Utah .....	3	1			
Vermont .....	1	.....			
Virginia .....	2	2			
Washington .....	4	3			
Washington, D. C. ....	2	.....			
West Virginia .....	2	1			
Wisconsin .....	15	10			
Wyoming .....	.....	1			
Total .....	266	126	Total .....	134	52

## NATIVITY OF PATIENTS PRESENT

October 31, 1930

Montana .....	204	or	12.89%
Other States .....	709	or	44.82%
Foreign .....	660	or	41.72%
Unascertained .....	9	or	.57%
Total .....	1,582		100.00%

## COUNTIES AND OTHER SOURCES OF COMMITMENT

	First Admissions During Period			Total Present at October 31, 1930		
	Male	Female	Total	Male	Female	Total
Beaverhead .....	2	.....	2	17	5	22
Big Horn .....	2	.....	2	9	2	11
Blaine .....	3	2	5	9	10	19
Broadwater .....	2	.....	2	4	3	7
Carbon .....	.....	3	3	21	7	28
Carter .....	.....	.....	.....	9	1	10
Cascade .....	30	11	41	62	47	109
Chouteau .....	1	2	3	15	9	24
Custer .....	10	4	14	20	11	31
Daniels .....	1	1	2	1	2	3
Dawson .....	5	3	8	11	6	17
Deer Lodge .....	16	9	25	42	27	69
Fallon .....	2	1	3	5	4	9
Fergus .....	5	4	9	32	19	51
Flathead .....	14	8	22	31	22	53
Gallatin .....	5	3	8	29	12	41
Garfield .....	1	.....	1	3	1	4
Golden Valley .....	1	.....	1	2	.....	2
Glacier .....	1	.....	1	7	1	8
Granite .....	2	.....	2	6	4	10
Hill .....	1	6	7	13	12	25
Jefferson .....	4	2	6	18	2	20
Judith Basin .....	5	1	6	8	6	14
Lake .....	10	3	13	10	4	14
Lewis and Clark .....	29	8	37	62	45	107
Liberty .....	1	2	3	2	2	4
Lincoln .....	2	2	4	13	4	17
Madison .....	11	.....	11	20	3	23
Meagher .....	2	.....	2	9	5	14
Mineral .....	1	.....	1	10	2	12
Missoula .....	18	7	25	52	23	75
Musselshell .....	3	3	6	14	11	25
McCone .....	.....	.....	.....	1	1	2
Park .....	11	5	16	20	6	26
Petroleum .....	.....	.....	.....	2	.....	2
Phillips .....	7	.....	7	17	3	20
Pondera .....	3	1	4	3	3	6
Powell .....	6	4	10	17	1	18
Powder River .....	.....	.....	.....	.....	2	2
Prairie .....	3	3	6	2	7	9
Ravalli .....	9	2	11	20	8	28
Richland .....	1	2	3	9	6	15
Rosebud .....	7	1	8	9	7	16
Roosevelt .....	4	.....	4	8	7	15
Sanders .....	5	1	6	4	4	8
Sheridan .....	3	.....	3	13	7	20
Silver Bow .....	87	50	137	172	92	264
Stillwater .....	3	2	5	7	2	9
Sweet Grass .....	2	3	5	5	4	9
Teton .....	3	2	5	21	5	26
Toole .....	3	3	6	9	6	15
Treasure .....	.....	.....	.....	3	2	5
Valley .....	6	2	8	20	9	29
Wheatland .....	1	.....	1	1	2	3
Wibaux .....	.....	.....	.....	2	1	3
Yellowstone .....	36	8	44	61	34	95
Penitentiary .....	6	1	7	34	2	36
Boulder School .....	2	3	5	10	11	21
Galen T. B. Sanatorium .....	2	.....	2	2	.....	2
Total .....	400	178	578	1,038	544	1,582

### PSYCHOSES OF FIRST ADMISSIONS

Biennial Period Ending October 31, 1930

PSYCHOSES	Male Total	Female Total	Grand Total
Traumatic .....	2	.....	2
Senile .....	67	13	80
Arteriosclerosis (cerebral) .....	23	23	46
General Paralysis of the Insane .....	24	2	26
With Cerebro-Spinal Syphilis .....	15	.....	15
Chorea (Huntington's) .....	2	1	3
With Other Brain or Nervous Diseases (total) .....	5	6	11
Multiple Sclerosis .....	.....	3	.....
Encephalitis Lethargicus .....	3	2	.....
Parkinson's Disease .....	2	1	.....
Alcoholic Psychoses .....	17	3	20
Somatic Psychoses .....	3	1	4
Manic Depressive Psychoses (total) .....	81	52	133
Hypomania .....	1	4	.....
Manic Phase .....	52	24	.....
Depressed Phase .....	28	22	.....
Puerperal .....	.....	2	.....
Drug Addiction .....	.....	4	4
Involuntional Melancholia .....	1	7	8
Dementia Praecox (schizophrenia) (total) .....	34	14	48
Simple Type .....	16	6	.....
Hebephrenic Type .....	4	1	.....
Catatonic Type .....	3	2	.....
Paranoid Type .....	11	5	.....
Paranoia and Paranoid Conditions .....	17	17	34
Epileptic Psychoses .....	6	6	12
Psychoneuroses and Neuroses .....	1	.....	1
Psychopathic Personality .....	1	.....	1
With Mental Deficiency (total) .....	25	10	35
Idiot .....	5	3	.....
Imbecile .....	3	1	.....
Moron .....	17	6	.....
Without Psychosis (total) .....	76	19	95
Alcoholism .....	26	7	.....
Drug Addiction .....	39	10	.....
Not Insane .....	11	2	.....
Total .....	400	178	578

### PSYCHOSES OF RE-ADMISSIONS

Biennial Period Ending October 31, 1930

PSYCHOSES	Male Total	Female Total	Grand Total
Traumatic .....	1	.....	1
Senile (total) .....	8	4	12
With Cerebral Arteriosclerosis .....	1	3	4
General Paralysis of the Insane .....	3	2	5
With Cerebro-Spinal Syphilis .....	6	2	8
With Other Brain or Nervous Diseases (total) .....	1	2	3
Encephalitis Lethargicus .....	.....	2	.....
Paralysis Agitans .....	1	.....	.....
Alcoholic Psychoses .....	10	.....	10
Manic Depressive Psychoses (total) .....	22	40	62
Hypomania .....	.....	4	.....
Manic Phase .....	20	20	.....
Depressed Phase .....	2	14	.....
Other Phases .....	.....	2	.....
Drug Addiction .....	.....	1	1
Involuntional Melancholia .....	.....	3	3
Dementia Praecox (schizophrenia) (total) .....	27	16	43
Simple Type .....	13	7	.....
Hebephrenic Type .....	1	2	.....
Catatonic Type .....	5	2	.....
Paranoid Type .....	8	5	.....
Paranoia and Paranoid Conditions .....	9	2	11
Epileptic Psychoses .....	3	8	11
Psychoneuroses and Neuroses .....	1	3	4
Psychopathic Personality .....	5	2	7
With Mental Deficiency (total) .....	12	4	16
Idiocy .....	1	.....	.....
Imbecile .....	1	1	.....
Moron .....	10	3	.....
Without Psychosis (total) .....	14	5	.....
Alcoholism .....	.....	12	.....
Drug Addiction .....	5	.....	.....
Total .....	128	109	237

# AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

Biennial Period Ending October 31, 1930

PSYCHOSES	TOTAL M. F. Tot.	Under 15 yrs.		15-21 yrs.		22-28 yrs.		29-35 yrs.		36-42 yrs.		43-49 yrs.		50-56 yrs.		57-63 yrs.		64-70 yrs.		71-80 yrs.		Over 80 yrs.	
		M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.				
Traumatic	2	...	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	
Senile	67	13	80	...	...	...	...	...	...	...	...	3	...	4	...	6	1	15	3	28	7	9	
Cerebral Arteriosclerosis	23	23	46	...	...	...	...	1	...	1	...	5	2	1	3	6	1	8	7	7	7	1	
General Paralysis of the Insane	24	2	26	...	...	...	...	...	...	...	...	1	...	2	6	...	...	1	...	...	...	...	
With Cerebro-Spinal Syphilis	15	...	15	...	...	...	...	2	...	8	...	1	...	1	1	1	...	1	...	...	...	...	
With Huntington's Chorea	2	1	3	...	...	...	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	
Other Brain or Nervous Diseases	5	3	8	...	...	3	1	1	1	1	...	1	1	1	...	...	...	...	...	...	...	...	
Alcoholic Psychoses	17	3	20	...	...	...	...	1	2	4	1	5	1	1	3	1	...	2	...	...	...	...	
With Somatic Diseases	3	1	4	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	
Manic Depressive Psychoses	81	52	133	...	...	4	3	7	6	17	13	21	14	17	7	8	6	5	2	1	...	...	
Involutional Melancholia	1	7	8	...	...	...	...	...	...	...	...	1	2	1	...	...	...	...	...	...	...	...	
Dementia Praecox	34	14	48	...	...	6	1	8	3	9	5	7	3	2	2	1	...	...	...	...	...	...	
Paranoia and Paranoid Conditions	17	17	34	...	...	...	...	1	1	3	3	3	5	4	4	5	3	1	...	...	...	...	
Epileptic Psychoses	6	6	12	2	...	...	...	1	2	1	1	1	1	1	...	...	...	1	...	...	...	...	
Psychoneuroses and Neuroses	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Psychopathic Personality	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	
Mental Deficiency	25	10	35	4	2	4	2	5	3	5	2	5	1	1	1	1	...	...	...	...	...	...	
Drug Addiction With Psychoses	...	4	4	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Multiplesclerosis	...	3	3	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	
Without Psychosis:																							
Alcoholism	26	7	33	...	...	...	...	5	1	2	1	7	3	4	1	5	1	3	...	...	...	...	
Drug Addiction	39	10	49	...	...	...	...	7	2	8	6	14	...	5	1	2	1	1	...	1	...	...	
Not Insane	11	2	13	4	...	...	...	...	...	1	2	2	...	...	...	...	...	...	...	...	...	...	
Total	400	178	578	10	2	18	7	39	18	51	35	80	27	56	25	38	25	31	6	30	14	36	14
																							5





ENVIRONMENT OF FIRST ADMISSIONS  
CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES  
Biennial Period Ending October 31, 1930

PSYCHOSES	M.	Total F.	Total	M.	Urban F.	Total	M.	Rural F.	Total
Traumatic.....	2	2	2	2	2	2	2	2	2
Senile.....	67	13	80	27	8	35	40	5	45
With Cerebral Arteriosclerosis.....	23	23	46	12	19	31	11	4	15
General Paralysis of the Insane.....	24	2	26	15	1	16	9	1	10
With Cerebro-Spinal Syphilis.....	15	.....	15	10	.....	10	5	.....	5
With Huntington's Chorea.....	2	1	3	2	.....	2	.....	1	1
With Other Brain or Nervous Diseases.....	5	6	11	4	6	10	1	1	1
Alcoholic Psychoses.....	17	3	20	12	3	15	5	.....	5
Somatic Psychoses.....	3	1	4	2	1	3	1	.....	1
Manic Depressive Psychoses.....	81	52	133	47	41	88	34	11	45
Involutional Melancholia.....	1	7	8	.....	6	6	.....	.....	.....
Dementia Praecox.....	34	14	48	19	11	30	15	1	16
Paranoia and Paranoid Conditions.....	17	17	34	7	12	19	10	3	13
Epileptic Psychoses.....	6	6	12	5	6	11	1	5	6
Psychoneuroses and Neuroses.....	1	1	1	1	.....	1	.....	.....	.....
Psychopathic Personality.....	1	.....	1	.....	.....	.....	.....	.....	.....
With Mental Deficiency.....	25	10	35	21	9	30	4	1	5
Drug Addiction.....	.....	4	4	.....	4	4	.....	.....	.....
Without Psychosis:									
Alcoholism.....	26	7	33	21	7	28	5	.....	5
Drug Addiction.....	39	10	49	37	10	47	2	.....	2
Not Insane.....	11	2	13	8	2	10	3	.....	3
Total.....	400	178	578	250	146	396	150	32	182



**ECONOMIC CONDITION OF FIRST ADMISSIONS  
CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES**

Biennial Period Ending October 31, 1930

PSYCHOSES	Total		Dependent		Marginal		Comfortable	
	M.	F.	M.	F.	M.	F.	M.	F.
Traumatic	2	2	1	1	1	1	9	2
Senile	67	13	55	9	3	2	3	11
With Cerebral Arteriosclerosis	23	23	19	16	1	3	9	4
General Paralysis of the Insane	24	2	22	2	1	1	1	7
With Cerebro-Spinal Syphilis	15	15	13	13	1	1	1	1
With Huntington's Chorea	2	3	2	1	1	1	1	1
With Other Brain or Nervous Diseases	5	6	5	4	1	1	2	2
Alcoholic Psychoses	17	3	13	1	1	1	2	3
Somatic Psychoses	3	4	3	1	1	1	1	2
Manic Depressive Psychoses	81	52	66	34	7	10	8	16
Drug Addiction	1	4	1	4	1	1	1	1
Involutional Melancholia	1	7	1	5	1	1	1	1
Dementia Praecox	34	14	29	9	3	3	2	4
Paranoia and Paranoid Conditions	17	17	13	12	1	3	3	5
Epileptic Psychoses	6	6	5	4	2	2	1	1
Psychoneuroses and Neuroses	1	1	1	1	1	1	1	1
Psychopathic Personality	1	1	1	1	1	1	1	1
Mental Deficiency	25	10	23	8	2	2	2	2
Without Psychosis:								
Alcoholism	26	7	23	6	2	1	1	1
Drug Addiction	39	10	39	9	1	1	1	1
Not Insane	11	2	10	2	1	1	1	1
Total	400	178	346	127	22	28	32	23
				473	50		55	

MARITAL CONDITION OF FIRST ADMISSIONS  
CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

Biennial Period Ending October 31, 1930

PSYCHOSES	Total		Single		Married		Widowed		Separated		Divorced	
	M.	F. Tot.	M.	F. Tot.	M.	F. Tot.	M.	F. Tot.	M.	F. Tot.	M.	F. Tot.
Traumatic.....	2	2			2	2						
Senile.....	67	13	26	26	18	5	19	8	1	1	3	3
With Cerebral Arteriosclerosis.....	23	23	6	7	12	4	3	14	1	1	1	4
General Paralysis of the Insane.....	24	2	11	11	11	1		1	1	1	1	1
With Cardio-Spinal Syphilis.....	15	2	7	7	4	4	2	2			2	2
With Huntington's Chorea.....	2	1	2	2		1						
With Other Brain or Nervous Diseases.....	5	6	1	6	4	4	1	1				
Alcoholic Psychoses.....	17	3	6	6	5	2	5	5	1	1	1	1
With Somatic Diseases.....	3	1	1	1	1	1						
Manic Depressive Psychoses.....	81	52	43	47	30	38	3	4	2	2	3	4
Drug Addiction With Psychoses.....		4		2		2						
Involuntional Melancholia.....	1	7				2						
Dementia Praecox.....	34	14	28	6	2	6	2	4	1	2	1	2
Paranoia and Paranoid Conditions.....	17	17	13	14	2	9	2	2	1	1	2	2
Epileptic Psychoses.....	6	6	4	3	2	2	1	1			1	1
Psychoneuroses and Neuroses.....	1	1					1	1				
Psychopathic Personality.....	1	1	1	1								
With Mental Deficiency.....	25	10	23	6	1	1	1	1			2	2
Without Psychosis:												
Alcoholism.....	26	7	17	17	6	6	1	1			2	2
Drug Addiction.....	39	10	23	1	10	6	3	1	1	2	2	2
Not Insane.....	11	2		7	2	2	4	1	1	1		
Total.....	400	178	223	26	106	92	44	37	8	10	19	13
		578		249		198		81		18		32

# AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

Biennial Period Ending October 31, 1930

PSYCHOSES	TOTAL M. F. Tot.	1-10		11-20		21-30		31-40		41-50		51-60		61-70		71-80		81-90		Over 90 yrs. M. F.				
		M. F.	yrs.	M. F.	yrs.	M. F.	yrs.	M. F.	yrs.	M. F.	yrs.	M. F.	yrs.	M. F.	yrs.	M. F.	yrs.	M. F.	yrs.					
Traumatic.....	1	1										1	6	1	14	6	31	4	10	1	1			
Senile.....	63	13	76							1	1		3	2	9	3	11	5	1	2				
With Cerebral Arteriosclerosis.....	24	13	37									1	8	1										
General Paralysis of the Insane.....	31	4	35							13	1	1	1	1	1		1							
With Cerebro-Spinal Syphilis.....	6	1	7			1	1	7	1															
With Huntington's Chorea.....	2	2	2							2	1													
With Other Brain or Nervous Diseases.....	1	4	5			1	1	1	1															
Alcoholic Psychoses.....	5		5							1	1				3									
Involutional Melancholia.....		2	2												1	1								
Dementia Praecox.....	16	3	19			1	1	5	1	2	1	4	1	4	2	2								
Manic Depressive Psychoses.....	26	16	42			2	2	1	6	7	4	4	8	5	3	2								
Paranoia and Paranoid Conditions.....	10	4	14							2	1	1	1	4	1	4		1						
Epileptic Psychoses.....	4	6	10			1	1	1	2			2	1	1	2									
Psychoneuroses and Neuroses.....		1	1						1															
Psychopathic Personality.....	2	1	2									1	1		1									
With Mental Deficiency.....	8	1	9			1	2					2	2		2		2							
Without Psychosis:																								
Alcoholism.....	1		1										2		1									
Drug Addiction.....	2		2																					
Not Insane.....	1		1							1														
Total.....	201	70	271			1	4	1	3	3	22	6	26	13	34	19	45	14	53	9	13	8	1	1

# DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN INSTITUTION CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

Biennial Period Ending October 31, 1930

PSYCHOSES	TOTAL	Less Than 1 mo.		1-3 mos.		4-7 mos.		8-12 mos.		1-3 yrs.		4-6 yrs.		7-10 yrs.		11-15 yrs.		16-20 yrs.		21-30 yrs.		31-40 yrs.		Over 40 yrs.	
		M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
Traumatic.....	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Senile.....	63	13	20	2	16	3	3	1	2	11	4	6	1	4	...	...	...	1	...	...	...	...	...	...	...
With Cerebral Arteriosclerosis.....	24	13	8	4	2	5	2	...	2	6	3	2	1	...	...	...	...	...	...	...	1	...	...	...	...
General Paralysis of the Insane.....	31	4	7	1	5	1	1	...	3	10	2	3	...	...	...	1	...	1	...	...	...	...	...	...	...
With Cerebro-Spinal Syphilis.....	6	1	1	1	...	...	1	...	...	2	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...
With Huntington's Chorea.....	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
With Other Brain or Nervous Diseases.....	1	4	1	1	1	1	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholic Psychoses.....	5	...	1	...	...	...	...	...	...	1	...	1	...	...	...	1	...	1	...	...	...	...	...	...	...
Involutional Melancholia.....	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dementia Praecox.....	16	3	...	...	...	...	...	...	...	2	1	1	...	5	...	3	1	...	...	3	1	...	...	...	...
Manic Depressive Psychoses.....	26	16	10	5	5	2	1	2	1	1	1	1	1	2	3	2	2	2	1	1	1	...	...	1	...
Paranoia and Paranoid Conditions.....	10	4	1	...	...	1	...	...	...	1	1	...	...	2	1	...	...	...	...	1	1	5	...	1	...
Epileptic Psychoses.....	4	6	1	...	...	1	1	1	...	...	1	...	...	2	1	...	...	...	1	...	1	1	...	...	...
Psychoneuroses and Neuroses.....	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Psychopathic Personality.....	2	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
With Mental Deficiency.....	8	1	...	...	...	...	...	...	...	1	1	2	...	1	...	1	...	1	...	1	...	1	...	1	...
Without Psychosis:																									
Alcoholism.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Drug Addiction.....	2	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Not Insane.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total.....	201	70	50	15	30	13	10	3	9	3	36	16	16	6	14	7	11	4	6	1	6	2	10	...	3

# CAUSES OF DEATH OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

## Biennial Period Ending October 31, 1930

CAUSES	TOTAL		Senile		Cerebro-arteriosclerosis		General Paralysis		Cerebro-spinal Syphilis		Alcoholic		With Other Brain or Nervous Diseases		Chorea		Manic Depressive		Dementia Praecox		Paranoia or Conditions		Epileptic Psychoses		With Mental Deficiency		All Other Psychoses		Without Psychosis	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		M.
GENERAL DISEASES:																														
Acute Cellulitis	1																						1				1			
Cancer (sarcoma, 2 males)	5	4	2					1									1	2									1			
Dysentery, Bacillary																	1													
Erysipelas	2	3	1			1	1											1												
Gangrene, Leg	1		1																											
Hypothyroidism		1																												
Raynaud's Disease	1																							1						
Scarlet Fever	1																1		1											
Septicemia	2																2		1											
Tuberculosis, Lungs	4																		1											
Tuberculosis, Larynx	1																1													
NERVOUS SYSTEM:																														
Apoplexy (cerebral hemorrhage)	29	9	6	2	10	2	4		2		1						2	3	3		1					1				
General Paralysis of the Insane	26	3					26	3																						
Cerebro-Spinal Syphilis	3	1							3	1																				
Exhaustion Other Mental Diseases	19	6	2		1						1		1		12	5	1								2					
Epilepsy	3	4																												
Huntington's Chorea																														
Multiple Sclerosis		2												2																
Tabs Dorsalis	1																													
CIRCULATORY SYSTEM:																														
Myocarditis and Endocarditis	29	13	17	6	5	2					1						2	2		1	1				2		1	2		
Other Diseases of the Heart	10	4	5		3	1											2		2											
Arteriosclerosis	27	6	18	4	1	2			1				1																	
RESPIRATORY SYSTEM:																														
Bronchitis	1																													
Bronchopneumonia	6	4	4	1			1														1									
Lobar Pneumonia	4	1			1														2											
Hypostatic Pneumonia	4		1																											
DIGESTIVE SYSTEM:																														
Acute Appendicitis	1																		1											
Enteritis		1																												
Intussusception of Caecum		1						1																						
Acute Yellow Atrophy of Liver		1		1																										
Other Diseases of Digestive System	4	2									1								1	1	1									
GENITO-URINARY SYSTEM:																														
Chronic Parenchymatous Nephritis	8	1	4		1	1											2	1												
Chronic Tubular Nephritis	1										1																			
Cholecystitis with Cholelithiasis	3																				2									
EXTERNAL CAUSES:																														
Suicides	4					1					1						2													
Other External Causes	1	2															1													
TOTAL	201	70	63	13	24	13	31	4	6	1	5	2	4	2	26	16	16	3	10	4	4	6	8	1	2	3	4			

## COMPARATIVE STATEMENTS

## Costs of Operation—Montana State Hospital

ADMINISTRATION	1925-1926	1926-1927	1927-1928	1928-1929	1929-1930
Salaries and Wages:					
Officers .....	\$ 6,400.00	\$ 6,400.00	\$ 4,000.00	\$ 4,250.00	\$ 8,000.00
Physicians .....	12,866.66	13,594.34	12,016.67	11,021.33	9,015.00
Clerical .....	7,870.67	6,326.00	6,446.50	6,391.50	6,592.50
Supervisors .....	4,620.00	4,721.67	6,740.00	7,140.00	7,140.00
Attendants—Female .....	23,827.72	24,413.51	23,664.86	24,882.65	25,459.67
Attendants—Male .....	20,326.66	22,129.85	21,995.34	22,140.50	24,930.82
Other Regular .....	354.51	1,222.58	1,200.00	1,455.00	.....
Total Salaries and Wages..	\$ 76,266.22	\$ 78,807.95	\$ 76,063.37	\$ 77,280.98	\$ 81,137.99
Office Supplies and Expenses:					
Postage .....	260.11	235.57	285.49	220.38	234.78
Stationery, Blanks, etc....	462.98	729.73	782.88	548.77	1,171.56
Telephone and Telegraph .....	511.59	405.72	465.65	546.23	502.94
Sundry Office Supplies .....	182.62	113.51	182.35	101.26	111.31
Total Office Sup. & Exp...	\$ 1,417.30	\$ 1,484.53	\$ 1,716.37	\$ 1,416.64	\$ 2,020.59
Traveling Expenses .....	137.88	192.11	142.33	110.66	4.92
General Expenses .....	15.47	70.00	.....	.....	.....
Publications .....	.....	140.45	.....	130.53	.....
Newspapers and Periodicals..	91.18	88.61	88.34	63.75	51.60
Escapes and Rewards .....	211.36	346.32	282.43	199.83	355.41
Amusements and Recreations	312.59	69.62	.....	309.48	351.23
Special Expenses:					
Gratuities .....	305.00	284.50	448.50	446.50	376.50
Dental Supplies .....	274.61	231.55	211.75	400.26	313.90
Burial of Patients .....	289.85	215.00	365.00	360.00	515.00
Religious Services .....	180.00	135.00	330.00	315.00	315.00
Industrial Accident Board..	472.46	1,289.14	876.37	1,810.29	25.00
Transfer of Patients .....	56.44	412.62	216.05	423.36	179.44
Other Special Expenses ....	135.92	106.60	340.03	173.10	216.10
Total Special Expenses .....	\$ 1,714.28	\$ 2,674.41	\$ 2,787.70	\$ 3,928.51	\$ 1,940.94
TOTAL OP. EXP.—Admin..	\$ 80,166.28	\$ 83,874.00	\$ 81,080.54	\$ 83,440.38	\$ 85,862.68
Capital Expenditures:					
Furniture and Fixtures .....	.....	74.45	147.73	8.69	67.15
Library and Ref. Books .....	.....	.....	.....	.....	.....
Scientific Apparatus .....	33.50	.....	.....	255.00	.....
Total Capital Expenditures	\$ 33.50	\$ 74.45	\$ 147.73	\$ 263.69	\$ 67.15
Repairs and Replacements:					
Furniture and Fixtures .....	93.15	208.80	15.95	177.31	3.50
Library and Ref. Books .....	45.34	12.00	30.22	.....	34.20
Surgical Instruments .....	113.40	2.25	173.75	.....	.....
Surgical Equipment .....	240.18	146.69	.....	237.90	177.05
Other Equipment .....	275.87	474.89	.....	674.14	.....
Total Rep. and Replace.....	\$ 767.94	\$ 844.63	\$ 219.92	\$ 1,089.35	\$ 214.75
TOTAL EXP.—Administ'n	\$ 80,967.72	\$ 84,793.08	\$ 81,448.19	\$ 84,793.42	\$ 86,144.58
PHYSICAL PLANT					
Salaries and Wages:					
Mechanics .....	16,822.92	19,165.50	15,746.25	15,245.59	19,165.25
Farmers and Stockmen .....	6,058.34	6,741.84	8,020.00	8,807.07	10,043.33
Engineers and Firemen .....	4,413.33	4,622.01	4,418.00	4,315.00	4,446.67
Watchman .....	1,200.00	1,110.00	1,020.00	959.83	1,020.00
Other Regular .....	5,727.18	3,475.02	6,442.92	6,671.66	5,802.17
Total Salaries and Wages..	\$ 34,221.77	\$ 35,114.37	\$ 35,647.17	\$ 35,999.15	\$ 40,477.42
Sundry Supplies and Expenses:					
Coal .....	29,778.21	27,719.64	31,134.69	34,702.80	31,817.31
Electricity .....	6,236.80	6,566.40	6,412.80	6,748.00	7,473.60
Engine Room Supplies .....	777.62	771.03	1,105.73	1,448.02	1,449.96
Wood .....	75.00	75.00	61.55	.....	.....
Electrical Supplies .....	346.30	221.25	320.43	320.72	409.94
Total Sundry Sup. & Exp.	\$ 37,213.93	\$ 35,353.32	\$ 39,035.20	\$ 43,219.54	\$ 41,150.81



PHYSICAL PLANT	1925-1926	1926-1927	1927-1928	1928-1929	1929-1930
Blacksmith Shop Supplies .....	\$ 132.68	\$ 105.36	\$ 143.55	\$ 351.27	\$ 387.05
Janitor Supplies .....	3,837.06	2,760.18	2,965.90	3,384.60	4,028.95
Florist Supplies .....	139.78	189.93	223.29	217.33	415.28
Insurance .....	291.86	1,142.42	53.72	200.00	46.07
Rentals .....	27.40	27.40	3,027.40	3,027.40	3,081.90
Sundry Supplies .....	214.42	409.69	149.33	126.90	52.88
<b>Garage and Motor Vehicles:</b>					
Gasoline .....	1,118.90	1,018.78	1,130.33	1,515.14	1,796.00
Oil .....	115.39	77.48	146.37	185.07	308.75
Tires and Other Expenses...	329.27	242.35	526.15	122.49	94.77
<b>Total Gar. &amp; Mot. Vehic.</b>	<b>\$ 1,563.56</b>	<b>\$ 1,338.61</b>	<b>\$ 1,802.85</b>	<b>\$ 1,822.70</b>	<b>\$ 2,199.52</b>
<b>Farm Supplies and Expenses:</b>					
Seeds and Plants .....	553.85	1,118.18	2,074.56	1,301.68	3,034.19
Sundry Supplies and Exp. ....	238.01	343.92	590.96	1,110.51	502.22
Cattle Feed and Expenses...	11,360.05	10,216.82	14,405.61	17,073.72	24,443.55
Horse Feed and Expenses...	1,929.02	3,404.72	4,928.09	6,124.30	7,359.82
Hog Feed and Expenses...	730.30	1,830.16	2,012.62	3,724.38	7,380.16
Poultry Feed and Expenses...	2,551.36	3,141.63	2,232.14	3,263.09	5,779.23
Deer and Buffalo Expenses...	108.75	83.26	28.00	32.00	500.00
Sheep Feed and Expenses...	114.00	115.67	31.75	32.00	100.00
<b>Total Farm Sup. &amp; Exp...</b>	<b>\$ 17,585.34</b>	<b>\$ 20,254.36</b>	<b>\$ 26,303.73</b>	<b>\$ 32,661.68</b>	<b>\$ 49,099.17</b>
<b>Consumables—Household Equipment:</b>					
For Officers .....	103.86	128.64	48.07	91.64	136.65
For Employees .....	960.21	1,519.50	1,541.25	1,316.21	2,012.66
For Patients .....	7,339.92	6,956.96	7,557.75	5,381.02	6,161.03
<b>Total Con.—House. Equip.</b>	<b>\$ 8,403.99</b>	<b>\$ 8,605.10</b>	<b>\$ 9,147.07</b>	<b>\$ 6,788.87</b>	<b>\$ 8,310.34</b>
<b>TOTAL OP.—Physical Plant</b>	<b>\$103,631.79</b>	<b>\$105,300.74</b>	<b>\$118,499.21</b>	<b>\$127,799.44</b>	<b>\$149,249.39</b>
<b>CAPITAL—Physical Plant</b>					
Land and Land Improvem'ts .....	39.16	.....	2,827.96	266.25	.....
Buildings and Attached Fixt. ....	14,460.30	.....	.....	8,014.14	101,851.95
Machinery and Appliances...	420.51	.....	.....	.....	1,208.61
Hand Tools and Petty Equip. ....	70.75	.....	.....	.....	24.94
<b>Furniture and Fixtures:</b>					
For Officers .....	.....	.....	.....	.....	.....
For Employees .....	.....	.....	.....	20.25	28.46
For Patients .....	23.56	.....	.....	.....	3,065.28
<b>Total Furniture and Fixt...</b>	<b>\$ 23.56</b>	<b>\$ .....</b>	<b>\$ .....</b>	<b>\$ 20.25</b>	<b>\$ 3,093.74</b>
<b>Livestock and Poultry:</b>					
Cattle .....	.....	60.69	.....	203.78	964.00
Hogs .....	582.10	121.75	.....	.....	66.83
Horses .....	.....	245.10	325.00	400.00	465.00
Poultry .....	64.82	.....	270.00	640.00	485.50
<b>Total Livestock and Poult.</b>	<b>\$ 646.92</b>	<b>\$ 427.54</b>	<b>\$ 595.00</b>	<b>\$ 1,243.78</b>	<b>\$ 1,981.33</b>
<b>TOTAL—Capital Expendit's.</b>	<b>\$ 15,661.20</b>	<b>\$ 427.54</b>	<b>\$ 3,422.96</b>	<b>\$ 9,544.42</b>	<b>\$108,160.57</b>
<b>REPAIRS AND REPLACEMENTS</b>					
Land and Land Improvements .....	444.15	513.47	851.81	5,311.00	846.31
Buildings and Attached Fixt. ....	16,925.72	7,314.35	7,060.58	6,766.21	8,908.73
<b>Machinery and Appliances:</b>					
Motor Vehicles .....	246.08	675.17	224.33	298.30	1,080.57
Motorless Vehicles .....	234.09	651.80	54.15	39.87	54.06
Farm Machinery .....	443.66	769.27	1,131.69	311.32	1,250.31
Engines and Boilers .....	1,060.16	679.77	317.58	150.26	610.29
Fire Apparatus .....	450.00	.....	96.00	179.75	.....
Bakery Machinery .....	37.85	882.84	28.20	206.41	24.89
Laundry Machinery .....	506.89	41.09	84.16	279.33	575.82
Kitchen Equipment .....	790.57	1,022.47	300.39	1,226.44	9.17
Other Machinery .....	72.50	180.25	145.66	648.93	91.70
<b>Total Machin'y and Appli's</b>	<b>\$ 3,841.80</b>	<b>\$ 4,902.66</b>	<b>\$ 2,382.16</b>	<b>\$ 3,340.61</b>	<b>\$ 3,696.81</b>
<b>Hand Tools and Petty Equip.</b>	<b>618.60</b>	<b>452.42</b>	<b>886.32</b>	<b>827.24</b>	<b>1,407.69</b>

REPAIRS AND REPLACEMENTS:	1925-1926	1926-1927	1927-1928	1928-1929	1929-1930
Furniture and Fixtures:					
For Officers .....	\$ 47.50	\$ 99.32	\$ 18.80	\$ .....	\$ 540.35
For Employees .....	765.06	492.35	291.44	321.35	404.85
For Patients .....	3,468.49	3,172.64	3,036.28	6,053.05	2,186.85
For Hotel .....	35.00	.....	.....	12.24	90.00
Total Furniture and Fixt. ..	\$ 4,316.05	\$ 3,764.31	\$ 3,346.52	\$ 6,386.64	\$ 3,222.05
Livestock and Poultry .....	125.00	.....	.....	.....	.....
TOTAL REP. AND REPL. ....	\$ 26,271.32	\$ 16,947.21	\$ 14,527.39	\$ 22,631.70	\$ 18,081.59
TOTAL EXP.—Phys. Plant	\$145,564.31	\$122,675.49	\$136,449.56	\$159,975.56	\$275,491.55
SUBSISTENCE					
Salaries and Wages:					
Cooks .....	5,689.85	5,555.81	5,005.67	4,920.51	5,397.67
Baker .....	1,243.33	884.67	600.00	600.00	1,053.33
Laundry Employees .....	4,906.33	4,927.67	4,847.00	5,063.34	4,590.50
Waitresses .....	1,250.50	1,292.33	1,325.67	1,460.66	1,860.00
Housekeeper .....	640.00	660.00	660.00	330.00	645.33
Other Employees .....	4,078.66	5,420.00	5,124.33	6,247.50	8,160.00
Total Salaries and Wages..	\$ 17,818.67	\$ 18,740.48	\$ 17,562.67	\$ 18,622.01	\$ 21,706.83
Food and Clothing:					
Food—Employees .....	29,386.95	28,210.71	28,738.45	28,266.14	32,784.08
Food—Patients .....	97,393.76	104,179.49	101,202.89	111,716.08	116,301.29
Clothing—Patients .....	20,154.18	20,429.60	23,765.36	21,888.18	20,506.80
Drugs and Medicines .....	2,937.15	3,003.17	2,833.79	3,463.51	2,955.89
Shoe Repairs—Patients .....	970.79	1,136.24	1,180.63	581.31	878.61
Laundry Supplies .....	2,596.32	2,110.38	1,935.32	1,684.43	1,857.10
Tobacco—Patients .....	4,014.67	3,903.34	4,311.85	4,426.68	4,664.27
Sundries .....	574.42	377.50	581.37	396.90	447.18
Total Food and Clothing....	\$158,028.24	\$163,350.43	\$164,549.66	\$172,423.23	\$180,395.22
TOTAL EXP.—Subsistence..	\$175,846.91	\$182,090.91	\$182,112.33	\$191,045.24	\$202,102.05
GRAND TOTAL—					
Expenditures for Periods..	\$402,378.94	\$389,559.48	\$400,010.08	\$435,814.22	\$563,738.18
Average Per Capita Cost.....	.746	.73	.729	.765	.812

## INCOME—MONTANA STATE HOSPITAL—FOR PERIODS

	1925-1926	1926-1927	1927-1928	1928-1929	1929-1930
Care of Insane .....	\$ 31,296.25	\$ 32,487.74	\$ 30,577.35	\$ 28,164.16	\$ 27,904.95
From Departments .....	739.16	812.69	867.07	686.87	642.76
From Farms .....	59,347.86	64,942.67	67,275.72	75,951.47	92,492.00
Sundries .....	3,865.15	2,503.13	3,535.92	3,428.31	4,800.73
Deficiency Appropriations ..	.....	384.67	.....	.....	.....
Building Appropriations .....	.....	.....	.....	3,439.24	71,920.76
Heating Plant Appropriation ..	.....	.....	.....	4,574.90	2,621.69
Furniture and Equipment .....	.....	.....	.....	.....	.....
Appropriation .....	.....	.....	.....	.....	3,065.28
Care of Insane Appropriat'n ..	286,666.82	292,283.67	291,057.65	312,188.30	363,896.64
Total.....	\$381,915.24	\$393,414.57	\$393,313.71	\$428,433.25	\$567,344.81

## DETAIL OF FARM INCOME

	1925-1926	1926-1927	1927-1928	1928-1929	1929-1930
Beef .....	\$ 1,365.78	\$ 1,550.92	\$ 2,554.00	\$ 2,392.19	\$ 3,031.40
Pork .....	5,843.04	4,671.22	6,044.04	8,635.50	8,301.90
Mutton .....	388.08	32.64	66.98	126.38	65.71
Poultry .....	1,347.37	1,526.05	1,580.08	1,705.02	1,891.13
Eggs .....	2,696.40	2,321.56	1,216.96	2,773.58	5,992.30
Butter .....	9,591.60	11,193.20	10,861.60	8,648.80	9,590.80
Cream .....	1,761.60	1,850.80	1,756.80	1,752.00	1,752.00
Whole Milk .....	7,342.00	7,386.20	7,816.00	8,812.00	8,816.00
Skim Milk .....	16,658.18	19,500.30	20,595.16	18,201.00	19,355.55
Buttermilk .....	367.18	381.04	396.88	615.53	302.79
Vegetables and Roots .....	7,650.42	10,515.52	9,017.22	12,152.25	20,683.82
Forage and Grain .....	4,336.21	4,013.22	5,370.00	10,137.22	12,108.60
	\$ 59,347.86	\$ 64,942.67	\$ 67,275.72	\$ 75,951.47	\$ 92,492.00









